

A Register of the Weather, Winds, Height of the Mercury in the Barometer, and the first Six Months of the Year One Thousand

January. 8. 12. 9.				February. 7. 12. 9.				March. 7. 12. 9.				Weather
Weather	Winds.	Barom.	Rain.	Weather	Winds.	Barom.	Rain.	Weather	Winds.	Barom.	Rain.	Weather
1 Frost	W. S. W.	30. 07		Frost				Cloudy		30. 1		Cloudy
2 Fair		07		Cloudy		30. 06		Fair	S. W.	20		Warm
3 Missing	S.	05		Frost	N. E.	29. 95		Cloudy	W. S. W.	18		Fair
4 Fog	S. by W.	05		Cloudy	N. E. by E.	75		Warm	S. W.	19		Fair
5 Cloudy	S.	11		Frost	E.	66		Fog	S.	02		Fair
6 Missing	S.	15	0. 50	Calm	S.	50		Fair	W. by S.	29. 95		Want
7 Calm		18		Cloudy	E. by S.	30	0. 02	Mist		75		of Rain
8 and		18		Thaw		20		Rain	S. W.	69	0. 13	Missing
9 Cloudy	W. by S.	22		Sleet		20		Fair		69		Cloudy
10 Fog	S. W.	23		Snow	E.	20	0. 03	Colder	S. W.	71		Cold
11 Warm		26		Frost		19		Fair	S.	70		Fair
12 Missing	W.	14	0. 30	Cloudy	N. by E.	05				46		Missing
13 Cloudy	W. by N.	05		Snow	N.	28. 90	0. 03	Rain	S. W.	20		Frost
14 Cloudy	N. W.	05		Cloudy	N. by S.	86		Bluster.	W.	12	0. 85	Fair
15 Sunsh.	N. W.	29. 94		Thaw	S. by W.	83	0. 01	Fair	W. by N.	48		Frost
16 Rain	N. W.	90		Fairer	S. W.	83		Colder	W.	57		Dry Sea
17 Snow	S.	82		Sleet		97	0. 01	Bluster.	N. W.	60		son
18 Frost	S. W.	51		Thaw	S. W.	29. 90		Frost	N. by E.	30. 01		Frost
19 Thaw	S.	38	1. 20.	Frost	S. W.	18		Fair	E.	11		Warmer
20 Rain	S. by E.	28. 95	0. 70.	Fair	S. W. b. W.	25		Frost	N. by E.	15		Fog
21 Cloudy	N.	29. 46		Snow	S. by E.	65		Fair	W.	15		Fair
22 Fair	N.	77		Rain	S. E.	76	0. 27	Mist	S. W.	29. 95		Cloudy
23 Sleet	N.	83		Fair	E.	94		Frost	S. W. by S.	90		Warm
24 Cloudy				Cloudy	E. by S.	30. 08		Fair	S. by W.	76		and
25 Snow	N. E.	96	0. 20	Thaw		08		Mist				Fair
26 Frost	N. E.	96		Warm	S.	00		Frost	S.	65		Warm
27 Cloudy	E. N. E.	68		Cloudy	S. by W.	29. 95		Fair	W. by S.	64		Cloudy
28 Frost	E.	94		Calm	S.	88		Rain	N. W.	60		Fair
29 Cloudy		92		Rain	S.	87	0. 40	Fair	W. S. W.	47		Cloudy
30 Frost		90		Mist	N.	80		Rain	W. by N.	35		Rain
31 Frost		90		Warm	N. W.	85	0. 30	Fair	N. by W.	21		Cloudy
				Rain	E	80		Cloudy	N.	18	0. 32	Rain
				Cloudy	S. by E.	54		Fair	N.	35		
				Fair	W. S. W.	62	0. 28	Frost	W.	59	0. 02	Fair
				Rain		60		Fair		60		Fair
				Fair	S.	50		Hail	W.	04	0. 8	Cloudy
				Rain		52	0. 20	Snow		28. 93		
				Cloudy	S. by E.	30		Frost	N. W.	29. 15		Fair
				Bluster.	S.	25		Fair		30		Fair
				Fair		42		Snow	S.	32		Fair
				Rain	E. by S.	30		Frost	N. W.	10		Hot
				Fair	S.	33	0. 05	Cloudy	W.	16		Day.
				Frost	S. E.	46		Fair	W. by S.	27		The fair
				Snow	E. by S.	45		Frost	N. W.	41		
								Snow	S. W. by S.	43		The fair
									S.	4		
									S. S. E.	37	0. 52	The fair

ter, and Quantity of Rain falling every Day at Upminster, in Essex,
Thousand Six Hundred Ninety Seven.

April. 6. 12 9

Weather	Winds.	Barom.	Rain.
Cloudy		29.	83
Warm	N. E. 0		83
Fair			84
	N. I.		88
Fair	N. E. 2		88
			87
Fair	NE.b.E. I		83
Want	E. I		82
of Rain			82
Misting	N. 0		75
Cloudy			
Fair			68
Cloud			68
Fair	N. by E.		68
Misting			74

Frost		73
	E.	71
Fair		68
Frost		63
Dry Sea-	E.	67
son		70
Frost		71
	E.	70
Warmer		71
Fog	W.	65
Fair	W.	64
Cloudy		64
Warm	E. o	61
and	E. by S. 1	61
Fair		60

Fair	E. o	60	
Warm	E. i	63	
Cloudy	N. by E. 2	64	
Fair	N. N.E. 2	65	
Cloudy	N. by E.	67	
Rain		70	
Cloudy		72	
Rain	N. E.	78	2. 3
			o. 3
	N. N.E. o	75	
Fair	E. by N. o	76	
		77	
Fair		77	
Warm	E. i	77	
Spr. Day		73	

Fair	E. o	73
		75
Cloudy	N. o	86
	N. by W. I	96
Fair		96
	N. I	94
Fair	N. o	91
Hot	E. N. E. o	93
Day.		95
		93
The fame	E. I	
		80
	E. o	69
The fame	S. I	60

May. 6. 12. 9

[illegible][illegible][illegible]

Cloudy			
Mistling		29.	65 3.
Bluffr.	S. W. 2		55
Rain	W. 2		57
Fair	W. by N.		63 0. 19
			74
	W. by S. 1		79
Fair	E. 1		85
			92
Fair	E. by N. 3		99
	N. 2	20.	02

June. 6. 12. 9

Weather	Winds.	Barom.	Rain.
Fair		29. 66	
Hot	S. o		
Rain		56	
Rain	S. o	42	
Shine	S. I	29. 4	
Rain	S. I	10	
Fair	S. by W. o	02. 0	7
	S. I	04	
Showers	S. I	02. 0	3
	S. W. 2	18	
Cloudy		38	
	S. I	58	
Cloudy		72	
Sultry	S. by W. I	83	
Hot		85	

Thunder	E. by S.	85	
Rain	E. o	82	1. 1.
Thunder		74	
Fog	S. by W.	70	o. o.
Fair	S. W. I	71	
Hot	S. W. b. W.	72	
Fair	S. W. b. W.	73	
Cloudy	S. o	56	
	S. by E. o	50	
Fair	S. I	48	
Rain	S. o	53	
	S. by E. o	60	
Fair	S. by W. I	68	o. 20
	S. o	73	

Fair	S.	75
	S.	
	E. o	65
Cloudy	N. W. 1	60
Fair	N.W.b.W	55
	N. W. o	49
	W. o	40
Fair	S. W. o	34
	S. W. o	28
Fair		
Rain	E. o	33
Misty	E. o	45
Fair		
Hot	N.b.W.4	64

Cloudy	N. I	78	o. o
		90	
Cloudy	N.	90	
Fair	W. I	92	
Sultry	W. o	94	
Very	W. by S. o	98	
Drough-	W. by S. i	30. 00	
ty.	S. W. o	00	
Hot	S. W. b. W. c	29. 93	
	N. by E. i	91 o. 2	
Rain	N. E. o	93	
Cloudy	N. by E. 2	92	
		92	

19					Fair	S.	35	0. 05	Fair	N. W.	41		The fam
							39			S.W. by S.	43		
20	Fair				Frost	S. E.	45		Frost	S.	4		
	Frost					E. by S.	45		Snow	S. S. E.	37	0. 52	
	Cloudy	S.W.b.W	20			E.	40		Fair	S. E.	25		
21					Fair	E.	35		Blift.	E. by N.	07		Cloudy
							37		Cloudy	E. by N.	10		Fair
							45		Hazy	N.N. E.	24		Rain
22	Cloudy	W.	29.	95	Rain		47						Cloudy
	Thaw	W. by N.		90		E.	48	0. 03					Rain
	Rain			95	Fair		52						Fair
23	Frost	N. W.		90	Hoar	E.	52						Fair
	Snow	N. W.		80	Frost	S.	54						Rain
	Fair	N. N. W.		68	Fair	S.	60		Frost	N. E.	40		Fair
24	Snow	N.W. by W.		64	Rain		68		Frost	N.	46		Rain
	Storm	N.		67	Fair	S. by W.	75	0. 04	Frost	N. N. W.	54		Thunde
	Snow	N. E.		78	Rain		81		Fair	N. by E.	70		Shower
		N. by E.		95	Cloudy		84		Frost	N. by E.	78		
25	Frost	E.		95	Bluster.	S.	85		Fair	S. I	30. 02		Fair
	Fair	E. by N.		97	Fair		88			S. o	11		Cloudy
		N. E.		98					The	E. o	11		
26	Sharp	N. E.		96	Cloudy	S.	88	0. 10	Same	S.E.b.E.1	10		
	Frost	N. by E.		96	Rain	S. W.	92				04		
		N. N. E.		86	Milling	S.	93		Same	E. o	29. 97		
27	Frost	N. E.		77	Fair	S. by W.	97				98		
				74	Calm	S. S. W.	98				30. 07		
28	Cloudy			65	Cloudy		30. 01		Same	E. o	13		
	Frost	N. E.		60	Fair	S. W.	01	0. 03	Hazy	E. o	15		
					Cloudy		40			E. I.	20		
29	Snow	S.		47					Cloudy	NE.b.N.o	14		
	Thaw	S. W.		31					Cold	N.N.E.1	12		
				29							12		
30	Frost	S. W.		41					Cloudy	N. I	12		
	Fair	W.		50					Warmer	N. N. E.	12		
		W. by S.		54							05		
31	Frost	W.		77					Cloudy	N. I	96	0. 02	
	Fair	N. N. W.		86				Total 1. 80	Rain	N. by E.	88	2. 68	
		N. by W.		95									

Place this between Pag. 48, 49.

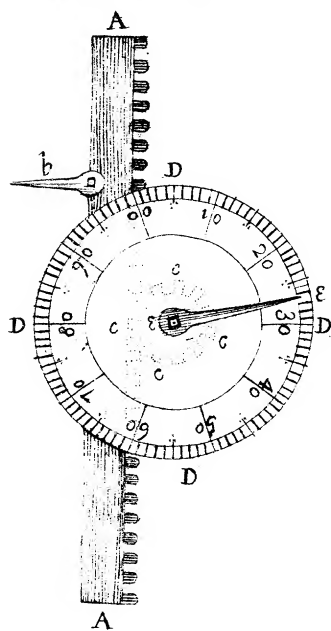
A Register of the Weather, Winds, Height of the Mercury in the Baromet. the last Six Months of the Year One T

July. 6. 12. 9.				August. 6. 12. 9.				September. 6. 12. 9.						
	Weather	Winds.	Barom.	Rain.		Weather	Winds.	Barom.	Rain.		Weather	Winds.	Barom.	Rain.
1	Rain	S S W	29. 75			Cloudy	S. by E. 1	29. 73			Fair	E. by N. 1	29. 98	
	Fair	S W 1	72			Rain	S. by E. 2	72			Cool	N. E. 2	30. 00	
2	Same	S W 0	70. 0. 24			Fair	S. by E. 2	65				NE. b. N. 1	29. 98	
		S W 0	67			Showers	W. by S 1	63. 0. 51			The same	N. E. 2	93	
3	Fair	S W 1	59. 0. 22			Fair	S. by E. 2	65					92	
		W. b. N. 1	64			Rain	W. 3	63. 0. 40			Hot Sun	E. by N. 0	90	
4	Cloudy	W 0	75			Cloudy	S. by E. 2	69			but	E. 1	88	
	Fair	S 0	84			Fair	W. 3	71			Cool Air	E. 1	89	
5	Hot	S W	85			Rain	S. W. b. S. 1	78. 0. 05			Fair	E. 0	89	
	Fair	S W	85			Fairer	S. by W. 2	69			Warmer	E. 2	84	
	Cool	W 0	87			Rain	W. 1.	65			Air	E. 2	84	
	Breezes	W 1	99			Fairer	S. W. 2	60. 1. 00			Fair	E. 1	80	
							S. W. 1	50			Hot	E. 0	78	
								49. 0. 79					80	
6	Hot	W. 0	29. 95			The same	S. by W. 0	47			Mist	E. 0	83	
	Dry	W. by S. 1	94				S. 1	41			Fair	S. by E. 0	86	
	Day		90					49. 0. 22			Hot	S. 0	87	
7	Fair	W. by N. 0	86			Cloudy	S. by E. 0	51					85	
	Hot					Rain	E. by N. 1	55			The same	E. 2.	83	
	Rain	W. by S. 0	79. 0. 12			Fairer	E. N. E. 1	58. 0. 07				E. 0	80	
8	Misting	S. W. 1	68				N. 2	50					73	
	Rain	S. W. 2	60			Rain	N. 1	48. 4. 0			The same		70	
	Cloudy	S. S. W. 1	44. 0. 32			both	N. 2	35. 0. 91			Fair	E. by N. 1	68	
9	Rain	S. W. 1	42. 0. 75			Days	W. 2.	37			Cooler	E. by N. 2	66	
	Cool	S. W. 1	43				W. by S. 1	42. 0. 50					55	
	Fairer	W. NW. 0	47. 0. 77					48. 2. 20			Cloudy	E. 1.	43	
10	Fair and	W. by N. 0	58			Cloudy	W. 1.	60. 0. 39			Rain	S. 2	39	
	Cool	W. 1	71			Rain	N. W. 2	65					40. 0. 10	
		N. W. b. W.	83			Fairer	W. 1	75. 0. 07						
11	Rain		85			Fair	W. 0.	77			Showers	S. by E. 0	35	
	Warmer	S. W. 1	85			Pleasant	W. 1	80				W. S. W. 1	40	
			92. 0. 50			Day	W. N. W. 1	82					60. 1. 59	
12		S. W. b. W.	30. 00			Cloudy	W. by N. 0	82			Fair	S. 0	75. 0. 07	
						Fair	W. by N. 0	82			Cloudy	S. by W. 2	77	
13	Fair						N. 0	85			Rain	S. 2.	70	
	Hot	S. 0	29. 98			Mist	N. 0.	88				S. 3	49	
14	Fair	S. 0	90			Cloudy	W. by S. 1	89			Fair		38	
	Cloudy	S. by W. 1	88			Rain.	S. by W. 1	82. 0. 33					63. 1. 54	
15	Rain	S. W. 1	84			Cloudy	S. W. 2	78			Rain	S. 0	67	
	Cloudy	N. b. W. 1	85. 0. 48			Fair	W. 2	83				S. 2	50	
	Fair	W. 1	90			Cloudy	W. 2	88				S. 4	32	
		N. W. 0				Little	S. W. 1	84			Fair	S. W. 1	46	
16	Cooler	W. 1	95			Rain	W. by S. 2	81			Rain		30	
	Rain	N. W. b. W.	94				S. W. b. W. 1	75				3	30	
	Thunder	W. by N. 0	92. 0. 42			Cloudy	S. 1	70			Fair	S. W. 4	28	
17	Fair	N. 0	93			Fair	S. 0	62			Cool	W. by S. 6	32	
	Cool	N. N. W. 0	93			Cloudy		53			Cloudy	2	34	
18	Fair	N. W. 1	95					48			Fair	W. 1	45	
	Cloudy	N. 1	98								Cool	0	75	
19	Misting	N. 1	93											
	Cloudy	W. NW 1	30. 00. 62								Rain	E. by S. 0	55	
												S. S. W. 2	34. 3. 10	
												S. W. 2	10. 1. 60	
											Fair	W. by N. 0	38	
											Cloudy	S. W. 1	50	

arometer, and Quantity of Rain falling every Day at Upminster, in Essex,
One Thousand Six Hundred Ninety Seven.

12. 9.	October. 7. 12. 9.				November. 8. 12. 9.				December. 8. 12. 9.			
Rain.	Weather.	Winds.	Barom.	Rain.	Weather.	Winds.	Barom.	Rain.	Weather.	Winds.	Barom.	Rain.
	Cloudy	N. W. o	29. 75		Miffling	S. 1	30. 19		Hard	W. b. N. o	29. 86	
	Misty	S. 1							Frost and	W. b. N. 2	87	
	Warm	S. o	78		Misty		15		Fair		89	
	Rain----	S. o	77	o. 10	Fair	S. S. W. o	11		Same	N. 1	90	
	Cloudy	S. by E. o	75		Warm	W. by S. o	11			N. o	94	
	Warm		70		Pleasant		07				99	
	Cloudy	S. by E. o	51		Fair	W. o	04		Same	N. o	30. 05	
	Rain	S. 1	46		Colder	W. by S. o	02			N. N. E. o	08	
	Fair	SWb. W. 1	50		Fog		29. 99				06	
	Cold	S. W. 2	52		Cloudy	SW. b. S. 2	94		Cloudy	N. W. 1	29. 98	
	Rain		28		Cold		88		Snow	N. N. W. 1	89	
					Day		80		Half Inch		96	
	Rain	S. 4	00	1. 12	Rain----	S. W. 2	73	o. 50	Cloudy	N. b. E. 2	30. 00	
		S. by W. 2	28. 98		Fair	W. b. S. 2	75		Fair	N. N. E. 1	06	
			29. 13	o. 57			81				09	
	Rain	S. 1	16		Rain	W. by N. 1	87		Snow	NW. b. N. 3	29. 98	
	Stormy	E. & W. S.	28. 97		Fair		30. 00		Fair	NW. b. N. 1	99	
	Fairer	S. & c. 6	29. 28	1. 36	Cold	E. o.	29. 93		Sn. 1 Inch		30. 00	
	Rain	S. by E. 1	08		Cloudy	E. S. E. o	91		Snow 6	N. W. o	29. 93	
	Fair	N. 1	13		Day		92		Snow 8	S. o	71	
		W. 1	58	2. 52	Frost	E. by S. o	96		Inches		68	
	Rain	S. 2.	66		Fair	E. S. E. o	99		Fair	E. o	84	
	Cloudy	S. W. 4	64	o. 10	Hard		30. 10				87	
	Stormy	5	44		Frost	E. o	10				85	
	Stormy	S. W. 8	39		Fair		10		Snow	S. b. E. 1	64	
	Cloudy	W. S. W. 4	51		Hard		10		Sleet		53	
	Fairer	2	66		Frost		10		Thaw	E. N. E. o	42	
	Fair	SWb. W. o	88		Cloudy	N. E. o	08		Frost	E. o	55	
	and	W. by S. o	30. 00		Frost		04		Thaw	2	57	3. 62
	Pleasant		15		Fair				Snow		46	
	Frost	W. by S. o	20		Rain	W. by S. 1	29. 73		Rain	E. S. E. 2	09	2. 76
	and	S. W. o	21		Fairer	N. 2	72	o. 78	Warm	S. b. W. 1	10	
	Misty	SWb. W. o	17		Rain	N. by W. 2	70	o. 02	Thaw	S. by E. 2	24	o. 90
	Frost				Fair	N. 1	68			S. 2	14	
	Fair				Frost		65	o. 15	Rain		04	
					Rain----	N. 1	63				11	o. 42
	Fair				Cloudy		62	o. 09	Fair	S. W. 3	33	
		W. 1	20		Frost		56		Warm	W. S. W. 3	50	
	Fair	W. by S. o	18		Snow	N. E. 2	40	o. 82	Pleasant	S. W. 1	61	
	and	W. N. W. o	18		Sleet	N. 1	38		Cloudy	S. W. 1	63	
	Warm		16		All Day		48	o. 50	Warm	W. S. W. 1	67	
	Cloudy	W. by S. o	12		Frost	W. b. S. o	64		Day	W. S. W. o	65	
	Warm	N. W. o	12						Misty	E. 1	64	
	Miffling		10						Warm	E. by N. o	64	
									Day		65	
	Cloudy	W. o	06		Hard	NbJ W. 2			Frost	E. by N. 1	58	
	Fair	N. N. W. 2	08	o. 14	Frost		30. 04		Fair		59	
	Cold	N. by W.	20		Fair							
		N. by W. o	27		The same	N. b. W. 2	03		Frost	E. o	57	
	Same	N. by E. 1	30			N. b. W. 3	03		Cloudy		56	
			34				00		Fairer		62	
	Cloudy	N. by E. o	32			N. N. W. 1	29. 92				64	
	Fair	E. by S. o	33		The same	N. N. W. o	91		Mist	E. o	72	
	Colder		27				76					
	Hoar Fr.	S. W. o	22		Snow	S. S. W. 2	26		Cloudy	E. 1	70	
	Mist	N. by E. o	28		Sleet				Warm		68	
	Fair		30		Rain		28	20	Day		60	

[illegible]



II. *A Letter of Mr. W. Derham, Rector of Upminster, dated Jan. 13. 1697. to Dr. Sloane, about a Contrivance to measure the Height of the Mercury in the Barometer, by a Circle on one of the Weather Plates, with a Register of the Weather, &c. for the Year 1697.*

TO my former Observations about the Barometer, give me leave to subjoin a Contrivance for measuring the Height of the *Mercury*, which hath lately occurred to my Thoughts, and which in some Cases is more commodious, than that way with a crooked Tube (I spake of.) This way is by a Circle on one of the Weather-plates, of any convenient Diameter. Divide this into 100 Parts (which are to answer the 100 Parts of an Inch.) The Index which pointeth to these Parts, must be driven round by a small wheel, like the Dial-wheel of a Watch. This Wheel must be driven round by a strait Piece, like a small Ruler, with Teeth on one Edge thereof; every Inch whereof must contain just the same Number of Teeth as are in the Dial-wheel before mentioned; so as that by the thrusting up and down this toothed Ruler, you may at every Inch turn round the Index once. About the middle of this toothed Ruler, a fine Finger must be fixed to point exactly to the Height of the *Mercury*. And consequently by raising or depressing this Finger to the Height of the *Mercury*, you very exactly see, on the Circle, the Parts of an Inch, which the *Mercury* riseth or falleth in the Tube, by reason the Circumference of the Circle is Three or more Inches about.

This Description in Words may perhaps be sufficient, but to prevent Obscurity, I have added a Figure.

Having propos'd the nicest ways I can think of, for measuring the Variation of the *Mercury* on different Heights, there is one Difficulty (partly suggested to me by a correspondent Friend) which may be resolv'd hereby, which I have not yet had Opportunity to make trial of, and do therefore recommend it to others. And that is, *Whether the Mercury hath exactly the same Variation, on one and the same Height, at two different Times: viz. When the Mercury is high, as in fair Weather; or low, as in foul:* I am inclin'd to think, That as the Atmosphere is heavier or lighter, so its pressure being more or less on the same Height, that consequently the *Mercury* riseth or falleth sometimes more, sometimes less on one and the same Height. As for Instance, If the *Mercury* sinketh 1 of an Inch at the Height of 82 Feet, when the *Mercury* standeth at 30 Inches in the Barometer, I Quære, Whether it will sink so much when the Barometer is at 29 Inches?

Fig. 1. representeth the Circle and toothed Ruler, without the Interposition of the Weather-plate; that the Contrivance may be the better seen.

A. A. The Ruler with Teeth, made to slide up and down.

b. The little Finger that pointeth to the *Mercury's* Height (which is placed higher on the toothed Rule than it ought to be, that it may be seen.)

c. c. c. c. The Index or Dial-wheel.

D. D. D. D. The Circle.

e. e. The Index.

The following Table explained, with Remarks upon it.

1. **T**HE Four Columns in each Month are easy : The First giveth the State of the Weather in the Morning, at Noon, and at Night. The Second the Bearing of the Winds. The Third, the Height of the *Mercury* in the Barometer, in Inches and Centesimals. The last the Quantity of Rain that fell every Day through a Tunnel of Twelve Inches Diameter, in Pounds and Centesimals of a Pound : At the Bottom of which Column is the Quantity of all the Rain that fell in the Month.

2. Where only one sort of Weather is noted upon one Day, that was the Weather of all the Day ; especially if the Barometer be noted three times. The same observe also in the Column of Winds. Thus *Jan. 2.* it was a Misty Day, Wind S.

3. The uppermost Observation of each Day is the Morning Observation ; the middlemost at Noon ; the lowermost at Night. Or if a Defect be in any of those Three Places, no Observation was made at that time.

If you meet with [Rain] noted on the Line that parts every Day, it signifies rain fell in the Night.

4. The Time of observing at Night, was at Nine of the Clock all the Year. But the Morning Observations were all *January* at 8 of the Clock ; all *February*, and to *March 20.* at 7 of the Clock ; thence to the End of *September* at Six of the Clock ; all *October* at Seven ; all *November* and *December* at Eight : And this is the meaning of the Figures that follow the Name of every Month.

5. The Strength of the Winds is noted in the Column

of Winds, from *March* 25. The Reason I did it not before, was, because I did not think of it till Mr. *Townley* suggested it to me, *Note*, A Cypher signifies a Calm; 1, 2, 3, &c. denotes the Strength of the Wind; wherefore 5, or 6 is a little Storm; 7, or 8 a great Storm.

6. Where the Weather, Winds, or Rain are noted only in the Morning and at Night, it signifies the Weather, &c. all the Morning and Afternoon; especially if the Barometer was observed at Noon.

7. The Defect of Observations from *April* 26. to *May* 16. was occasioned by my Absence in a Journey: Notwithstanding which, I took Care to have the Rain that fell, measured; tho' not on the Days it fell.

8. Forasmuch as the Quantity of Snow falling can't be well observed by the Tunnel, I have therefore in the Table noted the Depth of it on the Ground, as on *Dec.* 4, &c.

9. The whole Quantity of Rain that fell through my Tunnel last Year, was 77.60 lb. which is less than fell from the Beginning of *March* (at which time I began my Rain-Observations) till the End of *December*, 1696. In which Ten Months there fell here, at *Upminster*, almost 115 lb. and at *Townley* in *Lancashire* (according to Mr. *Townley's* Observations) above 172 lb. and in the whole Year at *Townley* 203.75 lb.

10. My Rain-Observations I make with a Tunnel of Twelve Inches Diameter (as I have said) the Rain I measure with a Cylindrical Glass. But for a fuller Description, I refer to Mr. *Townley's* Account of his Method, in one of the Transactions of a former Year.

A Register of the Marriages, Deaths, Burials, and Quarters of Race falling every Day at Newport, as in 1792, the first Sun Month of the Year the Yearly Six Hundred Ninety Seven.

January 1792										February 1792										March 1792										April 1792										May 1792										June 1792									
Day	Married	Deaths	Burials	Quarters	Day	Married	Deaths	Burials	Quarters	Day	Married	Deaths	Burials	Quarters	Day	Married	Deaths	Burials	Quarters	Day	Married	Deaths	Burials	Quarters	Day	Married	Deaths	Burials	Quarters	Day	Married	Deaths	Burials	Quarters	Day	Married	Deaths	Burials	Quarters	Day	Married	Deaths	Burials	Quarters	Day	Married	Deaths	Burials	Quarters	Day	Married	Deaths	Burials	Quarters					
1					1					1					1					1					1					1					1					1					1					1									
2					2					2					2					2					2					2					2					2					2					2									
3					3					3					3					3					3					3					3					3					3					3									
4					4					4					4					4					4					4					4					4					4					4									
5					5					5					5					5					5					5					5					5					5					5									
6					6					6					6					6					6					6					6					6					6					6									
7					7					7					7					7					7					7					7					7					7					7									
8					8					8					8					8					8					8					8					8					8					8									
9					9					9					9					9					9					9					9					9					9					9									
10					10					10					10					10					10					10					10					10					10					10					10				
11					11					11					11					11					11					11					11					11					11					11					11				
12					12					12					12					12					12					12					12					12					12					12					12				
13					13					13					13					13					13					13					13					13					13					13					13				
14					14					14					14					14					14					14					14					14					14					14					14				
15					15					15					15					15					15					15					15					15					15					15					15				
16					16					16					16					16					16					16					16					16					16					16					16				
17					17					17					17					17					17					17					17					17					17					17					17				
18					18					18					18					18					18					18					18					18					18					18					18				
19					19					19					19					19					19					19					19					19					19					19					19				
20					20					20					20					20					20					20					20					20					20					20					20				
21					21					21					21					21					21					21					21					21					21					21					21				
22					22					22					22					22					22					22					22					22					22					22					22				
23					23					23					23					23					23					23					23					23					23					23					23				
24					24					24					24					24					24					24					24					24					24					24					24				
25					25					25					25					25					25					25					25					25					25					25					25				
26					26					26					26					26					26					26					26					26					26					26					26				
27					27					27					27					27					27					27					27					27					27					27					27				
28					28					28					28					28					28					28					28					28					28					28					28				
29					29					29					29					29					29					29					29					29					29					29					29				
30					30					30					30					30					30					30					30					30					30					30					30				
31					31					31					31					31					31					31					31					31					31					31					31				

a Register of the Weather, Winds, Height of the Mercury in the Barometre, and Quantity of Rains falling every Day at Upsminster, on Wilkes, the 10th Jan. Month of the Year One Thousand Six Hundred Sixty Seven

January		February		March		April		May		June		July		August		September		October		November		December								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28			